



**PROJECT:** North Libertyville Estates, Illinois

**AUTHORITY:** Section 205 of the 1948 Flood Control Act, as amended

**PROJECT DESCRIPTION:** North Libertyville Estates is a residential subdivision located on the east bank of the Des Plaines River in southern Lake County, approximately 2 miles northeast of Libertyville, Illinois. Flooding has been a problem since this community was established in the mid-1950. Major flooding occurred in 1960, 1962, 1979, 1986 and 1993. The flood of 1986 was approximately a 40-year frequency event, after which, 113 homes filed flood damage reports. Flooding occurs at least on an annual basis; in 1993, the area flooded 3 times in four months between March and July. Approximately 141 homes are in the 100-year flood plain. The recommended plan includes construction of 5,500 linear feet of earthen levee and 150 linear feet of steel sheetpile floodwall, realignment of an existing drainage ditch, and implementation of an interior drainage plan and a floodwarning system. The levee would encircle the subdivision and tie into Buckley Road on the east and west sides of the subdivision. Interior drainage would be provided by pipes through the levee with flap gates to prevent backflow into the subdivision. Additional drainage would be provided by portable pumps which would be used on an as-needed basis. A mitigation plan will be implemented to mitigate for the loss of habitat for the levee construction.

**PLANNED WORK:**

**FY 01**

Develop a revised mitigation plan that is acceptable to Lake County Forest Preserve District, Fish & Wildlife Service, and the U.S. Army Corps of Engineers. Prepare plans and specifications and award mitigation contract.

**FY02**

Complete construction of the mitigation contract.

**PROJECT COST:**

Federal Cost	\$2,311,800
Non-Federal Cost	\$ 770,600
Total Cost	\$ 3,082,400

**Project Completion:** The levee project was initiated in the fall of 1998 and completed in the summer of 1999.

**LOCAL SPONSOR:** Lake County

**ISSUES/CONCERNS:** None

**PROJECT MANAGER:** Shamel Abou-El-Seoud